



PATENT  
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: James M. Robl et al. Confirmation No.: 4828  
Serial No.: 10/705,519 Art Unit: 1632  
Filed: November 10, 2003 Examiner: Deborah Crouch  
Customer No.: 21559  
Title: TRANSGENIC UNGULATES HAVING REDUCED PRION PROTEIN ACTIVITY AND USES THEREOF

DECLARATION OF DR. YOSHIMI KUROIWA TRAVERSING GROUNDS OF REJECTION OVER LACK OF ENABLEMENT

Under 37 C.F.R. § 1.132 and regarding the rejection of claims 1-6 and 25-38 for lack of enablement, I declare:

1. I am an inventor of the subject matter that is described and claimed in the above-captioned patent application. My curriculum vita was submitted with the previous Declaration submitted on September 12, 2006.
2. As described in more detail below, the specification provides ample guidance for one skilled in the art to produce hemizygous and homozygous prion protein (PrP) knockout cells and bovines. The specification, for example, at page 46, line 11 – page 47, line 31 teaches generally how knockout vectors useful for inactivating the prion locus may be constructed and further describes general methods for homologous recombination to produce knockout cells and calves.

3. The techniques utilized are then described in more detail in “EXAMPLE 1: Transgenic ungulates having reduced prion protein activity.” There, at page 54, line 12 – page 61, line 17, the specification describes the actual production of hemizygous and

Considered  
D. Crouch  
6/5/08